US / Canada Edition

iCN 600 series

with SmartST™ Version 3.0

User Manual

NAVMAN

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1. Introduction

Whether you travel in your own country, or overseas, the iCN will direct you to your destination without the need for map books and second-hand instructions.

The Global Positioning System is available free of charge, at any time, and is accurate to within 5 m (15 ft). Your iCN map provides street level detail for door-to-door navigation, including Points Of Interest (POIs) such as accomodation, railway stations and airports.

Use this guide to learn how to operate it effectively and safely, plus find out all of the different features available to you.

GPS and GPS Signals

The Global Positioning System (GPS) is a network of satellites that transmit accurate time and position information worldwide. GPS receivers receive signals from these satellites, and use the information to determine an exact location. Satellites orbit the Earth at around 12,000 miles. While a GPS receiver can detect signals from up to 12 satellites at anytime, only three are needed to provide a position or “fix” (latitude and longitude) for vehicle navigation systems.

The iCN GPS antenna receives GPS signals. To receive GPS signals, ensure the iCN is outdoors, or in a vehicle outdoors, and the GPS antenna has an unobstructed view of the sky. The iCN can operate in all weather types except snowfall.

Safety Notice

In a vehicle, it is your sole responsibility to place, secure, and use the iCN in a manner that will not cause accidents, personal injury or property damage. The user of this product is solely responsible for observing safe driving practices. It is your sole responsibility that the vehicle mount installation instructions are read carefully, understood, and used consistent with the laws of operation for each country in which the device is used.

It is your sole responsibility to adhere to the following safety instructions at all times:

- Do not operate the iCN while driving or place the iCN in a position that obstructs the driver’s view
- Do not mount in a way that interferes with airbags or other safety equipment
- Do not leave in view while your vehicle is unattended, especially in strong sunlight or extremely cold temperatures
- Do not use or handle the iCN when it is hot, leave it to cool out of direct sunlight

Navman disclaim all liability for use of this product in a way that may cause accidents, damage or may violate law.

2. iCN Features

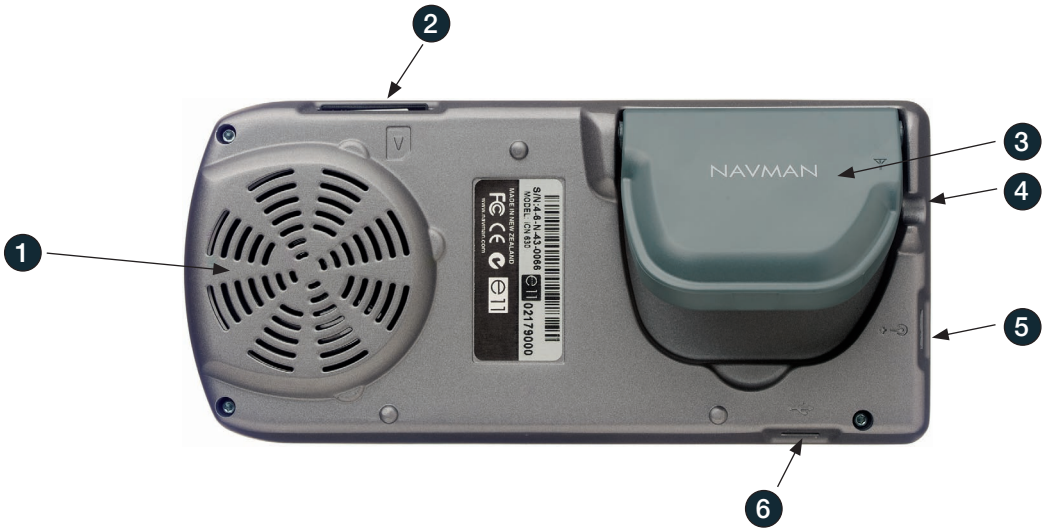
It is recommended that you familiarize yourself with the basic operations of your iCN such as using the **8-way toggle** and **volume** control.

Front Components

	Component	Description
1	Screen	Displays maps and menu options.
2	OK	Select the highlighted menu option, text or command.
3	Zoom/Brightness	Change the amount of map area shown, or press and hold to adjust the screen brightness.
4	ESC	Cancels an action, deletes the last text character, returns to the previous screen. Hold down to delete a line of text.
5	8-way Toggle	Use to scroll up/down and move round a map to select a destination.
6	Page	Change map views, including 3D Map* view. Use to view further screens if available.
7	Volume	Press to hear the very next instruction, or hold down to adjust the voice guidance volume.
8	Menu/Power	Press to return to the Main Menu or hold down to turn on/off.

** iCN 630, 635, 650 only*

Back Components



	Component	Description
1	Speaker	Outputs voice commands and warnings. Use **Volume** button to adjust.
2	Memory Card Slot	Slot for memory card. Insert card with label facing the front of the iCN.
3	GPS Receiver	Receives signals from GPS satellites when lifted out to the horizontal position.
4	Car Antenna Socket	Connection socket for GPS car antenna (not included).
5	Power Socket	Connection socket for power cable.
6	USB Socket	Connection socket for USB cable to your computer.

Remote Control

Button functions are the same as the iCN control buttons. You cannot turn on the iCN using the Remote Control.

Only included with the iCN 635 and 650. Available for the iCN 610 as an accessory.

3. Memory Card

iCN 635

Your iCN may come with an optional memory card containing a preactivated map. To navigate to your destination you will first need to insert the memory card into your iCN.

Important: If your iCN did not come with a memory card, you will first need to purchase one separately then install the required map from the enclosed Map CDs using SmartST Desktop. See Installing Maps Using SmartST Desktop on page 32.

To navigate in an area outside of the preactivated map, you must first purchase a Map Product Key from your Navman supplier. Install SmartST Desktop, then use it to activate your Map Product Key and install the required map. See *Installing Maps Using SmartST Desktop* on page 32.

Inserting Memory Card

Note: The first time you insert the memory card you will first need to remove the plastic space saver from the SD/MMC slot.

To insert the memory card, first ensure that the iCN is turned off, then gently insert the card in the Memory Card slot with the label facing the front of the iCN.

Removing Memory Card

To remove the memory card, first ensure that the iCN is turned off, then gently push the top edge of the card to release it and pull it out of the slot.

iCN 650

The iCN 650 contains all preactivated maps for USA and Canada in internal memory and does not come with a memory card.

4. Turning your iCN On and Off

Turn iCN On

1. Plug the power adapter into the socket on the left of the iCN and the other end into the vehicle lighter socket.
2. Gently pull the bottom of the GPS receiver away from the iCN. The receiver will lift out to a horizontal position to allow it to obtain a GPS fix.

3. Press the **Menu/Power** button for one second.

Turn iCN Off

1. Gently push the GPS receiver back towards the iCN. The receiver will click in to place.
2. Complete one of the following:
   - **iCN 635**: Press the **Menu/Power** button for three seconds until the iCN turns off.
   - **iCN 650**: Press the **Menu/Power** button for three seconds. When the confirmation message displays, select **Yes** and press **OK**. The iCN will turn off.

5. Position in a Vehicle

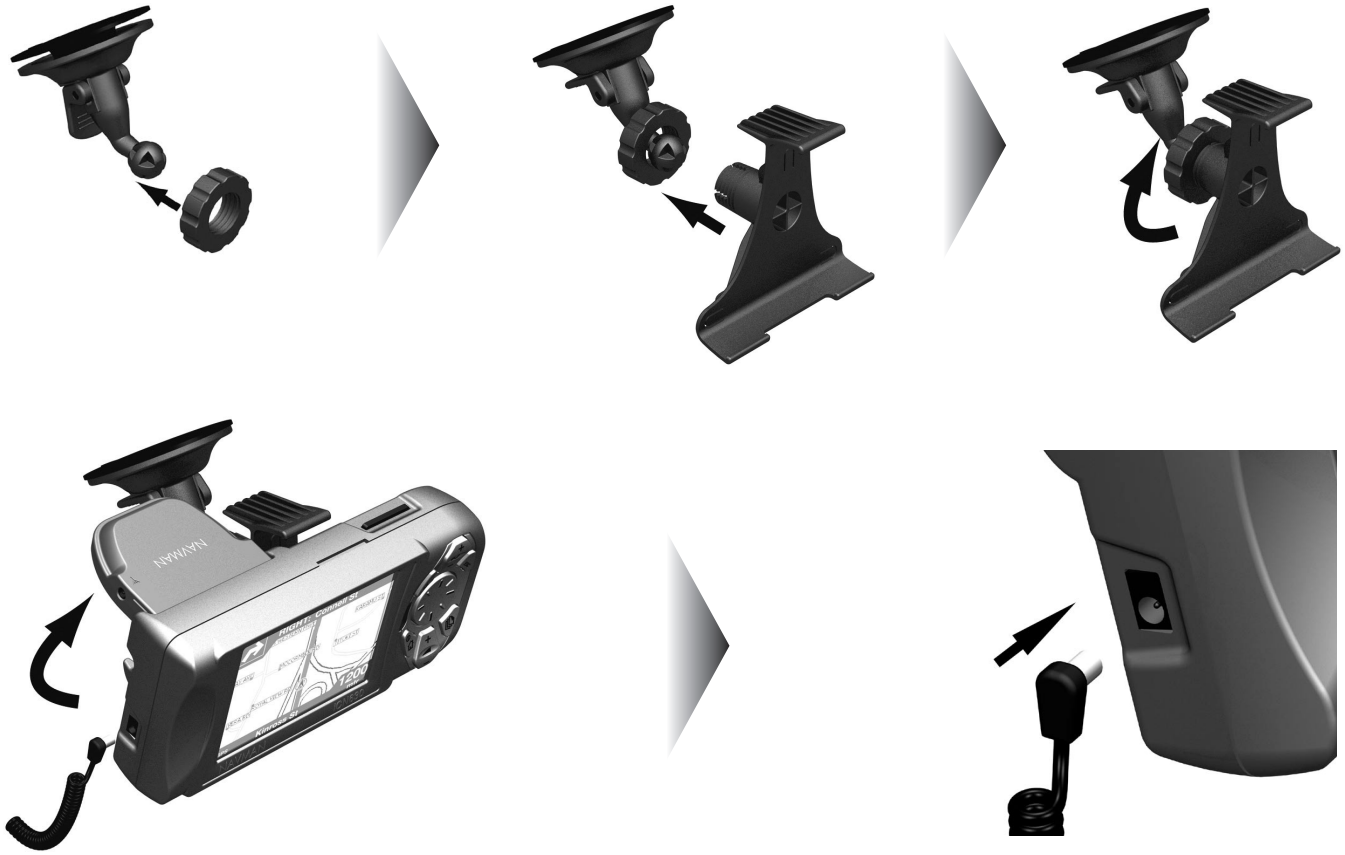
Before you begin, check if your vehicle is fitted with a heat reflecting or heated windshield. If so, you will need to purchase an external antenna for your iCN to receive GPS signals.

There are a number of ways to position an iCN in a vehicle. Follow these instructions carefully.

- Do not install where it could cause interference with vehicle air bags.
- For security and to avoid overheating, do not leave your iCN in an unattended vehicle, especially in strong sunlight or extremely cold temperatires.
- Do not use or handle the iCN when it is hot — leave it to cool out of direct sunlight. If your iCN is too hot, you will be prompted to turn down the brightness (press and hold the **Zoom** button). If the iCN continues to get hotter the screen will go blank, however voice instructions will continue.

Option One: Suction Mount

1. Slip the locking nut over the ball foot.
2. Snap the mounting clip onto the ball foot and tighten the locking nut onto the thread of the mounting clip.
3. Position the two locating slots on the underside of the iCN into the tabs on the mounting clip. Push the iCN into the clip.
4. Clean and dry the surfaces, hold the suction cup firmly against the glass and press down the lever.
5. Open the antenna outwards, so it has a clear view of the sky.
6. Plug the power adapter into the socket on the left of the iCN and the other end into the vehicle lighter socket.



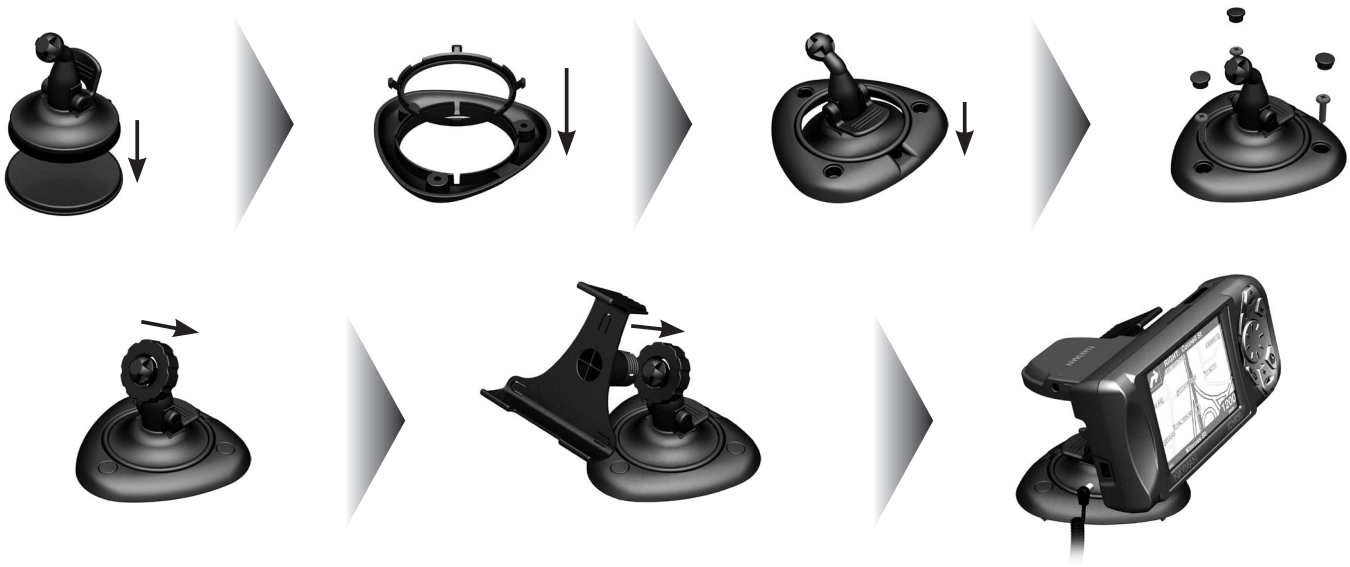
Option Two: Adhesive Tape and Screw Mount*

You can use the base plate, adhesive tape and screws supplied to mount the iCN directly into the vehicle dashboard.

Important: This is a permanent solution — the adhesive tape cannot be removed once fixed and the screws will leave holes in your dashboard.

1. Choose a position on the dashboard where the iCN will be clearly visible by the driver. Use the alcohol swab to ensure all surfaces are clean and dry.
2. Remove one of the backing layers from the adhesive tape and press it firmly to the underside of the base plate for 30 seconds.
3. Press the suction cup firmly in to the base plate and press the lever down.
4. Remove the second backing layer from the adhesive tape .
5. Position the ball foot in to position on the dashboard and press down firmly for 30 seconds.
6. Fit the retainer ring inside the screw plate by sliding the four locating tabs into the corresponding slots on the underside of the screw plate.
7. Place the screw plate over the ball foot ensuring the suction cup tab fits in to the tab slot on the screw plate.
8. Use the three screws to fasten the screw plate firmly to the dashboard.
9. Press the screw caps over the screw heads.
10. Slip the locking nut over the ball foot with the flat side facing upwards.
11. Snap the socket clip onto the ball foot.
12. Wind the locking nut onto the thread of the socket clip until firm.
13. Snap the iCN onto the socket clipw. Position the two locating tabs on the underside of the iCN into the corresponding slots on the socket clip. Then push the iCN into the clip.
14. Open the antenna outwards so the GPS antenna has a clear view of the sky.
15. Plug the power adapter into the socket on the left of the iCN and the other end into the vehicle lighter socket.

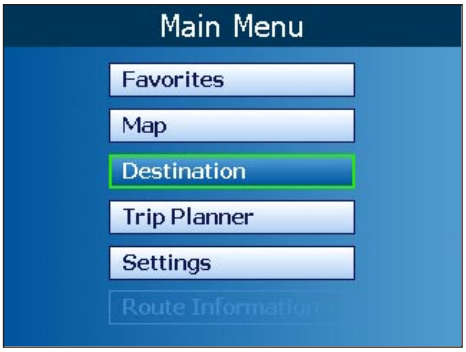
**iCN 635, 650 only*



6. Main Menu Screen

The *Main Menu* screen gives you access to all of the iCN's functions, including navigating to a destination.

1. Press the **MENU/Power** button for about one second.
2. The *Language* screen will display. Use the **8-way toggle** to highlight your language choice and press **OK**.
   - You can stop the *Language* screen displaying on startup by selecting the *Do not show on startup* check box. Press **OK** to confirm.
3. Press the **Page** button.
4. The *Warning* screen will display. Read the warning mesage and press **OK** to confirm that you understand.
5. The *Tutorial* will display. Press the **Page** button to move through the screens.
   - You can turn off the Tutorial on startup by using the **8-way toggle** to highlight the *Do not show Tutorial on startup* check box, press **OK** to confirm.
6. The *Main Menu* screen will display.

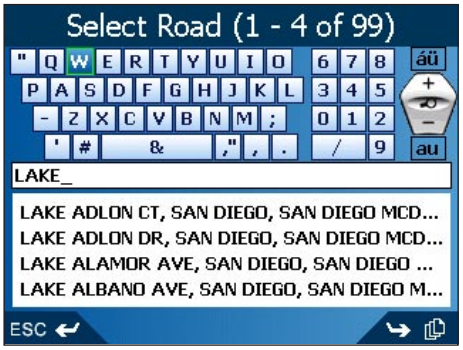


7. Use the **8-way toggle** to highlight *Main Menu* options, confirm a selection by pressing **OK**.
   - Return to the *Main Menu* at any time by pressing the **MENU/Power** button.

7. Screen Keyboard

The screen keyboard will display when required to enter text, such as when entering a street name.

1. Use the **8-way toggle** to move around the keyboard.
   - Press **OK** to select a character.
   - Press **ESC** to delete a character; Hold **ESC** to delete the line.
   - Press **Zoom** up to display the Alternative keyboard.
   - Press **Zoom** down to return to the Alphabetical keyboard.
   - The list will reduce to match your search criteria. Press **Page** to see more of the list.
2. Use the **8-way toggle** to select a search result from the list. Press **OK**.


Select Road (1 - 4 of 99)
LAKE_
LAKE ADLON CT, SAN DIEGO, SAN DIEGO MCD...
LAKE ADLON DR, SAN DIEGO, SAN DIEGO MCD...
LAKE ALAMOR AVE, SAN DIEGO, SAN DIEGO ...
LAKE ALBANO AVE, SAN DIEGO, SAN DIEGO M...
ESC

8. GPS Status

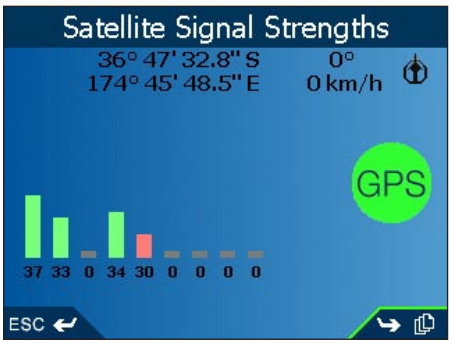
Signals are transmitted by Global Positioning System (GPS) satellites orbiting the Earth. This screen provides a visual representation of the information being received. Latitude and longitude are displayed, along with a North-pointing compass, the heading in degrees and ground speed. Satellites available are shown as segments.

From the *Main Menu*, select *Settings* > *More Settings* > *GPS Status*. The *GPS Status* screen will display.

- **Yellow** — a satellite is being tracked but is not being used
- **Red** — a satellite is being used to determine a two dimensional (2D) fix
- **Green** — the satellite is being used to determine your position.

The circle under the sattelite segments is green when there is a valid fix (2D or 3D), and red when there is no fix. While a 2D fix is sufficient to maintain a valid fix, a 3D fix is more accurate.

Satellite Signal Strength

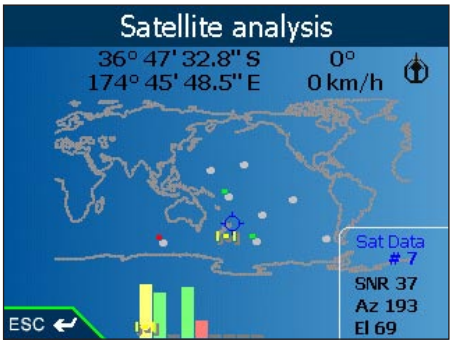


From the *GPS Status* screen, press the **Page** button to display the *Satellite Signal Strengths* screen. The strength of each satellite is displayed on a bar chart.

The circle on the right-hand side of the screen displays green when there is a valid fix (2D or 3D), and red when no fix is available. The satellites available from your current position are shown as bars.

- **Grey** — no signal at all
- **Red** — this signal is not being used to fix your position
- **Green** — this signal is being used to fix your position.

Satellite Position Indicators



From the *Satellite Signal Strengths* screen, press the **Page** button to display the *Satellite analysis* screen. The position of each satellite is shown in relation to Earth. You can view the status and performance of a satellite by selecting it using the **8-way toggle**. The satellite performance will display.

Each satellite is represented by a small empty circle.

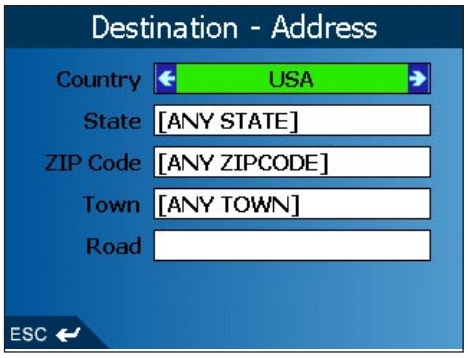
- Gray circle — no signal
- Red circle — a signal not being used to fix your position
- Green circle — a signal being used to fix your position
- Yellow satellite icon — shows the current satellite.

9. Setting your Destination

Before you travel, you must specify a destination.

To a Street Address

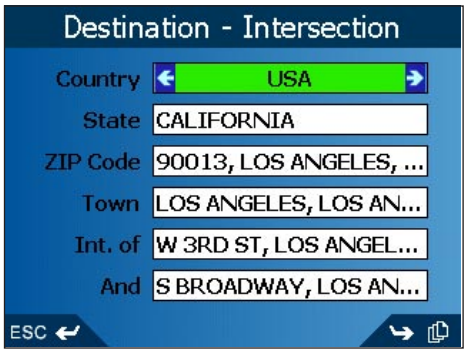
1. From the *Main Menu*, select the **Destination** option.
2. From the *Destination* screen, select the **Address** option. The *Destination-Address* screen will display.



3. Select a **Country** using the **8-way toggle**, press **OK**.
4. To select a **Region** or **State** press **OK**. Select a region. Press **OK**.
5. To select a **Postcode** or **ZIP Code** press **OK**. Select a postcode or ZIP code. Press **OK**.
6. To select a **Town** press **OK**. Select a city or town. Press **OK**.
7. To select a **Road** press **OK**. Select a road. Press **OK**.
8. Press the **Page** button to display the *Address-Details* screen.
9. Choose one of the following options:
   - **Add to Trip** - Opens the *Trip Planner* screen and adds the destination to your trip
   - **Save** - Saves the destination as a Shortcut or Favorite
   - **Show** - Displays the address on the *Map* screen
   - **Go** - Calculates the route and displays it on the *Map* or *3D Map* screen.

To the Intersection of Two Streets

1. From the *Main Menu*, select the **Destination** option.
2. From the *Destination* screen, select the **Intersection** option. The *Destination-Intersection* screen will display.

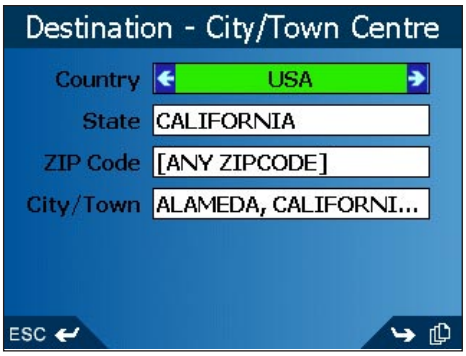


3. Select a **Country** using the **8-way toggle**, press **OK**.
4. To select a **Region** or **State** press **OK**. Select a region. Press **OK**.

5. To select a **Postcode** or **ZIP Code** press **OK**. Select a postcode or ZIP code. Press **OK**.
6. To select a **City/Town** press **OK**. Select a city or town. Press **OK**.
7. To select the first intersecting street, press **OK**. A list of intersecting streets will display. Select a street. Press **OK**.
8. Select **And**. A list of intersecting streets will display. Select a street. Press **OK**.
9. Press the **Page** button, the *Intersection-Details* screen will display.
10. Choose one of the following options:
    - **Add to Trip** - Opens the *Trip Planner* screen and adds the destination to your trip
    - **Save** - Saves the destination as a Shortcut or Favorite
    - **Show** - Displays the address on the *Map* screen
    - **Go** - Calculates the route and displays it on the *Map* or *3D Map* screen.

To a City or Town Centre

1. From the *Main Menu*, select the **Destination** option.
2. From the *Destination* screen, select the **City/Town Centre** option. The *Destination - City/Town Center* screen will display.

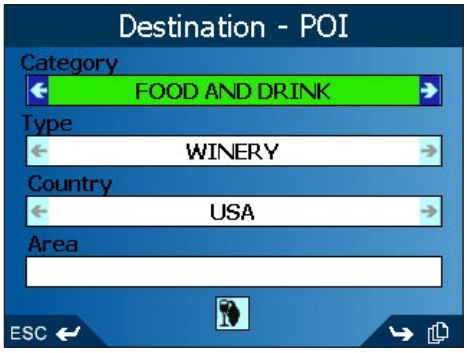


3. Select a **Country** using the **8-way toggle**, press **OK**.
4. To select a **Region** or **State** press **OK**. Select a region. Press **OK**.
5. To select a **Postcode** or **ZIP Code** press **OK**. Select a postcode or ZIP code. Press **OK**.
6. To select a **City/Town** press **OK**. Select a city or town. Press **OK**.
7. Press the **Page** button to display the *Address Details* screen.
8. Choose one of the following options:
    - **Add to Trip** - Opens the *Trip Planner* screen and adds the destination to your trip
    - **Save** - Saves the destination as a Shortcut or Favorite
    - **Show** - Displays the address on the *Map* screen
    - **Go** - Calculates the route and displays it on the *Map* or *3D Map* screen.

To a Point-Of-Interest (POI)

A POI is a named site, feature, landmark or public venue. POI's are stored in **Categories**, such as parks and museums. POI's can be displayed as icons on a map.

1. From the *Main Menu*, select the **Destination** option.The *Destination* screen will display.
2. From the *Destination* screen, select the **Points of Interest** option. The *Destination-POI* screen will display.



3. Select a **Category** using the **8-way toggle**, press **OK**
4. Select a **Type**, press **OK** to narrow the search.
5. Select a **Country**, to confirm press **OK**
6. Select an **Area** by pressing **Page**. Enter a name and choose from the list. Press **OK**
7. The *Select POI* screen will display, press **OK**, the *Select POI* text entry screen will display a list.
8. Select a POI using the **8-way toggle**. Press **Page** to view more. Press **OK** to select from the list.
9. The *POI Detail* screen will display. Choose one of the following options:
   - **Add to Trip** — Opens the *Trip Planner* screen and adds the destination to your trip
   - **Save** — Saves the destination as a Shortcut or Favorite
   - **Show** — Displays the address on the *Map* screen
   - **Go** — Calculates the route and displays it on the *Map* or *3D Map* screen.

To a Recent Destination

The last 30 routes are stored as Recent destinations. *Recent* is only available if a route has been calculated.

1. From the *Main Menu*, select the **Destination** option.
2. From the *Destination* screen, select the **Recent** option The *Recent* screen will display.

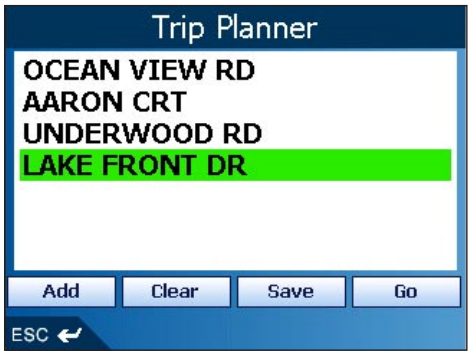
3. Select a destination from the list, press **OK**
4. Choose one of the following options:
   - **Add to Trip** — Opens the *Trip Planner* screen and adds the destination to your trip
   - **Save** — Saves the destination as a Shortcut or Favorite

- **Show** — Displays the address on the *Map* screen
- **Go** — Calculates the route and displays it on the *Map* or *3D Map* screen.

Multiple Destination Points with the Trip Planner

You can use the Trip Planner to set multiple destination points for your trip. Your route will be calculated to go via each of these points in the specified order. Destination points can be added via the *Trip Planner* screen or by selecting **Show Details** from the pop-up menu on the *Map* screen, then **Add to Trip**.

1. From the *Main Menu*, select the **Trip Planner** option. The *Trip Planner* screen will display.



2. Select **Add** and press **OK**. The *Destination* screen will open.
3. Select **Address** and press **OK**. The *Destination Address* screen will open.

   Note: You can also add destination points using intersections, Cities/Towns, Points of Interest and recent destinations.
4. Select a **Country** using the **8-way toggle**, press **OK**.
5. To select a **Region** or **State** press **OK**. Select a region. Press **OK**.
6. To select a **Postcode** or **ZIP Code** press **OK**. Select a postcode or ZIP code. Press **OK**.
7. To select a **Town** press **OK**. Select a city or town. Press **OK**.
8. To select a **Road** press **OK**. Select a road. Press **OK**.
9. Press the **Page** button to display the *Address-Details* screen.
10. Select **Add to Trip** and press **OK**. The destination point is added to your trip. The *Trip Planner* screen will display.
    - To add another destination point, go to step 2.
11. To move a destination point up or down, select the point and press **OK**. The *Address Details* screen will display.
    - Select **Move** and press **OK**. The *Trip Planner* screen will display with the selected destination point highlighted.
    - Use the **8-way toggle** to move the destination point up or down the list.
    - Press **OK**.
12. To delete a destination point, select the point and press **OK**. The *Address Details* screen will display.
    - Select **Delete from Trip** and press **OK**. The *Trip Planner* screen will display with the selected destination deleted.
13. Choose one of the following options:
    - **Add** — Opens the *Destination* screen to add a destination point.
    - **Clear** — Deletes all destination points.
    - **Save** — Opens the *New Favorite* screen to save the trip as a Shortcut or Favorite
    - **Go** — Calculates the route and displays it on the *Map* or *3D Map* screen

Using the Map screen to Plan a Route

You can plan a route directly from the *Map* screen using the Popup menu.

1. From the *Main Menu*, select the **Map** option. The *Map* screen will display.
   - Move round the *Map* screen using the **8-way toggle**
   - Zoom using + and - on the **Zoom/Brightness** button.
2. Press **OK** to display cross-hair on the *Map* screen
   - To remove the cross-hair press **ESC**
3. Use the **8-way toggle** to place the intersection of the cross-hair on a destination, the street name will display.
4. Press **OK** to select the street as your destination. The *Pop-up* menu will display
5. Select **Navigate To**. The route is calculated and displayed on the *Map* or *3D Map* screen.

10. Avoiding an Area*

You can calculate a route that avoids a specified area on the map. Up to ten Avoid Areas can be active at any one time. Avoid Areas are displayed as shaded areas. If no alternative route exists, you will be routed through an Avoid Area.

** iCN 635, 650 only*

Adding an Avoid Area

1. From the *Main Menu*, select the **Map** option. The *Map* screen will display.
2. Press **OK** and place the intersection of the cross-hair over the area that you want to avoid using the **8-way toggle**.
3. Press **OK** to display the *Pop-up* menu.
4. Select **Add Avoid Area**. Press **OK**. An Avoid Area is displayed.

5. Set the Avoid Area to the correct size and position using the **8-way toggle**.
6. Press **OK** to enable the Avoid Area.

Deleting an Avoid Area

1. From the *Main Menu*, select the *Map* option. The *Map* screen will display.
2. Press **OK** and place the intersection of the cross-hair over the Avoid Area that you want to delete using the **8-way toggle**.
3. Press **OK** to display the *Pop-up* menu. Select **Delete Avoid Area**. Press **OK**. The Avoid Area is deleted.

Deleting All Avoid Areas

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **My Data** option.
3. From the *My Data* screen, select the **Clear Data** option. The *Settings - Clear Data* screen will display.
4. Use the **8-way toggle** to select the **Clear Avoid Areas** button.
   - Select **Yes** and press **OK** to accept the *Warning* dialog box.
5. Press **ESC** repeatedly until the *Map* screen displays.

11. Viewing Your Route

Once a route has been calculated, there are a number of ways to view it. Cycle through the screens by pressing the **Page** button. To cancel a route or stop the Route Demonstrator, return to the *Main Menu*, select the **Route Information** option, then the **Cancel Route** option.

Back-On-Track™ Automatic Rerouting

Your route is re-directed if you make a wrong turn. The **?** symbol will display upper left of the *3D Map* and *Next Instruction* screens while the route re-calculates.

Automatic rerouting is enabled on the *Routing* screen.

Map Screen

This screen displays north, with your current position and surrounding street names. If a route has been calculated, the route and turns are highlighted.

From the *Main Menu*, select the *Map* option

- Zoom using + and - on the **Zoom/Brightness** button
- Press **OK** to display the cross-hair. Press again to display the *Pop-up* menu.

Your next turn is high-lighted in a different color to future turns. The color will depend on the theme you are using.

Your current position is marked with ⓘ.

Additional information can be displayed here. Press the **8-way toggle** left or right to scroll the following options.

- Current speed
- Current time
- Current bearing / heading (HDG)
- Distance to next turn
- Distance to go to destination (DTG)
- Expected time of arrival (ETA)
- Time to go to destination (TTG)

GPS strength indicator

Your current location

3D Map Screen — *iCN 635, 650 only*

Your route displays on a map oriented to the traveling direction, with an adjustable horizon.

1. From the *Main Menu*, select the *Map* option. The *Map* screen will display.
2. Press the **Page** button to display the *3D Map* screen.
   - Zoom using + and - on the **Zoom/Brightness** button
   - Use the **8-way toggle** up or down to adjust the viewing angle
   - Press **OK** to display the *Destination Pop-up* menu

Direction of next turn

North oriented compass

Additional information can display here. Press the **8-way toggle** left or right to scroll the options. You must have a route calculated to view these options.

- Current speed
- Current time
- Current bearing / heading (HDG)
- Distance to next turn
- Distance to go to destination (DTG)
- Expected time of arrival (ETA)
- Time to go to destination (TTG)

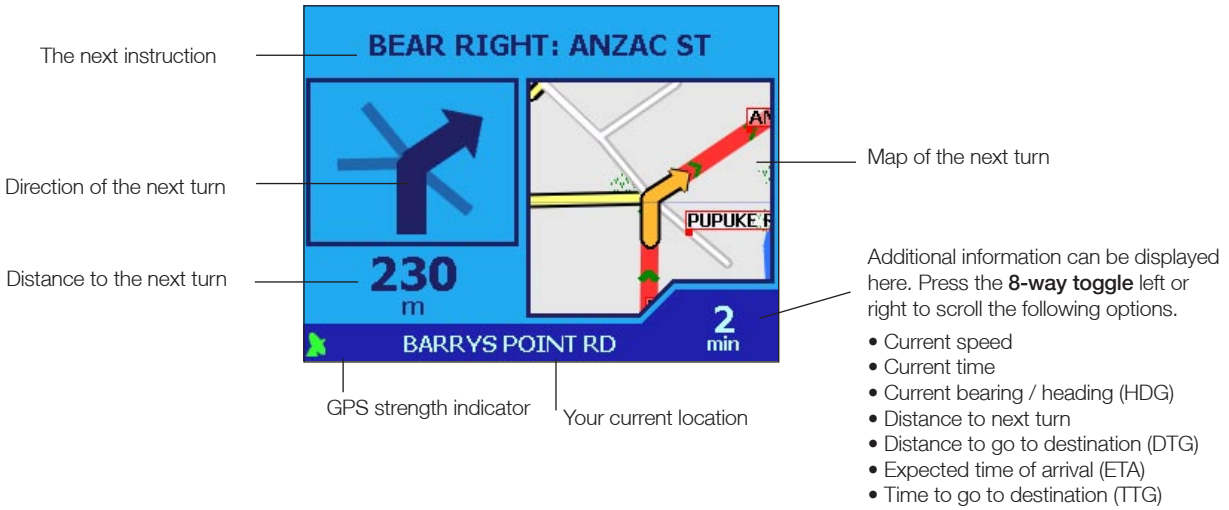
GPS strength indicator

Your current location

Next Turn Screen

Displays the turn direction, street name and the distance to the next turn. A route must have been calculated for this screen to display. Access to this screen is set on the *Settings - Display* screen.

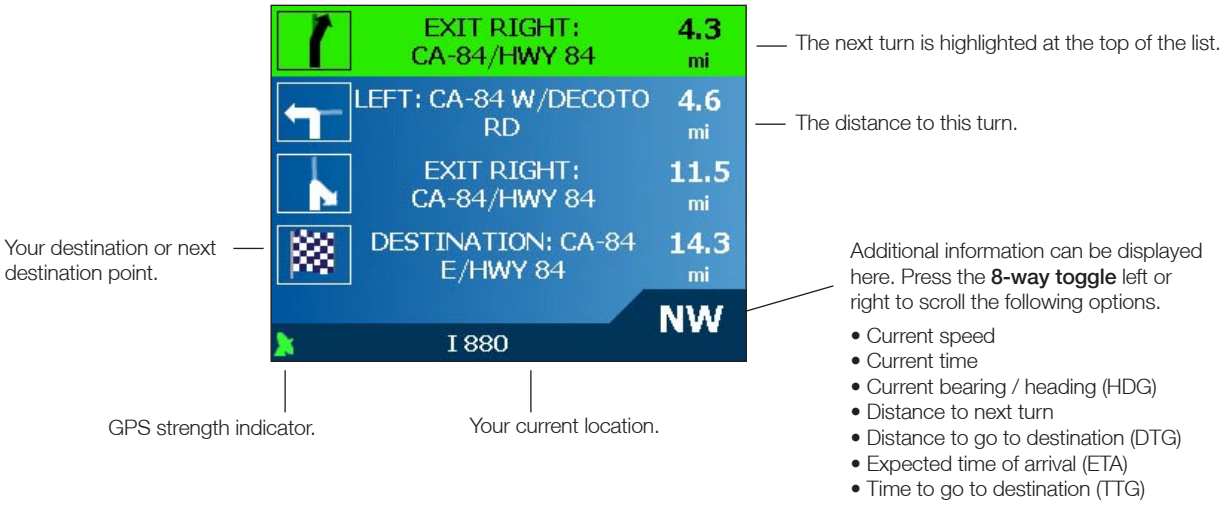
1. From the *Main Menu*, select the *Map* option The *Map* screen will display.
2. Press the **Page** button until the *Next Turn* screen displays.


The next instruction
BEAR RIGHT: ANZAC ST
Direction of the next turn
Distance to the next turn
230
m
PUPUKE
Map of the next turn
Additional information can be displayed here. Press the 8-way toggle left or right to scroll the following options.
• Current speed
• Current time
• Current bearing / heading (HDG)
• Distance to next turn
• Distance to go to destination (DTG)
• Expected time of arrival (ETA)
• Time to go to destination (TTG)
BARRYS POINT RD
2
min
GPS strength indicator
Your current location

Next Four Turns Screen

This screen displays the next four turns of your route, the turn direction, street name and the distance to the turn. A route must have been calculated for this screen to display. Access to this screen is set on the *Settings - Display* screen.

1. From the *Main Menu*, select the *Map* option. The *Map* screen will display.
2. Press the **Page** button until the *Next Four Instructions* screen displays.



Route Information

The *Route Information* screen provides information about your current route, and lets you skip a trip destination point or cancel a route. The screen is only available from the *Main Menu* when you are navigating a route.

Show Route

Select to display your entire route on the *Map* screen.

Instruction List

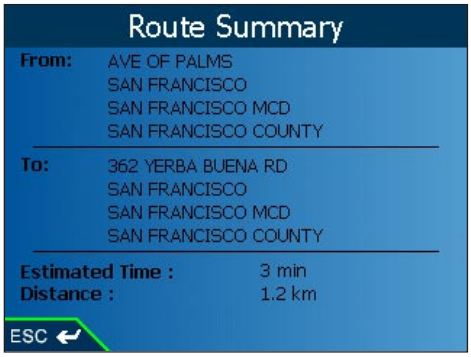
Select to display the *Instruction List* screen. The *Instruction List* screen is similar to the *Next Four Turns* screen except that it displays your entire route.

Use the **Page** button to page through the instruction list.

Summary

Select to display the *Route Summary* screen containing your **From** and **To** addresses, **Estimated Time** to arrival and the **Distance** remaining to your destination.

If you are navigating a multiple destination trip, the information displayed will relate to your next destination point.



Skip Destination

Select to skip the next destination point of your trip. Only available when navigating a multiple destination trip.

Cancel Route

Select to cancel the route.

12. The Map Screen Pop-up Menu

The *Pop-up* menu allows you to access navigational functions from the *Map* screen.

1. Move round the *Map* screen using the **8-way toggle**; Zoom using **+** and **-** on the **Zoom/Brightness** button.
2. Press **OK** to display the cross-hair on the *Map* screen.
    - To remove the cross-hair press **ESC**.
3. Position the intersection of the cross-hair on a destination using the **8-way toggle**. Where the cross-hair intersect on a street, the street name will display on the *Map* screen.
4. Press **OK** to select the street as your destination. The *Pop-up* menu will display.

5. You can choose one of the following options;

Navigate To	Calculates a route from your current location
Set as Start Location	Sets the location as your departure point
Add to Favorites	Allows you to save your location as a Favorite or Shortcut
Show Details	Displays the *Address Details* screen
Add Avoid Area*	Defines an area on the map that is avoided during your journey
Delete Avoid Area*	Deletes an Avoid Area if enabled
Nearest POI	Displays the Destination-POI screen. **Page** displays the *Select nearest POI* screen or further screens if available.

6. Press **OK** to confirm your selection

** iCN 635, 650 only*

13. Route Demonstrator

The Route Demonstrator allows you to:

- Preview a route, or
- Plan and view a route without a GPS fix, such as when you are inside a building.

Step 1. Activate Route Demonstrator

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Routes** option. The *Routing* screen will display.
3. Press the **Page** button twice.
4. Select the *Demonstrate Route* check box, press **OK**.
5. Press **ESC** repeatedly until the *Map* screen displays.
   - Press **OK** to accept the *Warning* dialog box.

Step 2. Select Departure Point

If you have a GPS fix, you do not need to select a departure point unless the demonstrated route is to start eleswhere.

1. From the *Main Menu*, select the **Map** option. The *Map* screen will display.
2. Press **OK** and place the intersection of the cross-hair over a departure point using the **8-way toggle**.
3. Press **OK** to display the *Pop-up* menu. Select **Set as Start Location**. Press **OK**.

Step 3. Select Destination Point

1. Press **OK** and place the intersection of the cross-hair over your destination point using the **8-way toggle**.
2. Press **OK** to display the *Pop-up* menu. Select **Navigate To**. Press **OK**. The *3D Map* screen will display and the Route Simulator starts your route.
   - If you have selected the *Repeat* check box on the *Routing (2/3)* screen, the Route Demonstrator will repeat until you stop it.

To Disable Route Demonstrator

- Press **Menu/Power** to return to the *Main Menu* screen
- Select the **Route Information** option, then the **Cancel Route** option
- Press **OK** to confirm. You will be returned to the *Main Menu* screen

14. Favorites & Shortcuts

You can save up to 200* destinations as Favorites, 10 of which can be Shortcuts.

**50 Favorites for iCN 610, 620*

Saving Favorites and Shortcuts

1. From the *Main Menu*, select the **Destination** option.
2. From the *Destination* screen, select the **Address** option. The *Destination-Address* screen will display.

   Note: You can also add a Favorite or Shortcut using intersections, Cities/Towns, Points of Interest and recent destinations.
3. Select a **Country** using the **8-way toggle**, press **OK**.
4. To select a **Region**, press **OK**. Select a region. Press **OK**.
5. To select a **Postcode**, or **ZIP Code** press **OK**. Select a postcode or ZIP code. Press **OK**.
6. To select a **Town** press **OK**. Select a city or town. Press **OK**.
7. To select a **Road** press **OK**. Select a road. Press **OK**.
8. Press the **Page** button to display the *Address-Details* screen.
9. Select **Save**, press **OK**. The *New Favorite* screen will display.
10. Select the **Name** box and press **OK**. The *Enter Name* screen will display
    - Press and hold the **ESC** button to clear the text box if required.
    - Enter a name for the Favorite.
    - Select **Enter** and press **OK**. The *New Favorite* screen will display.
11. Select the **Save As** box and use the **8-way toggle** to save as a Favorite or Shortcut.
12. Select **Save** and press **OK** to return to the *Map* screen.
    *Note: If you save a Shortcut over a Shortcut, a warning message will display. Choose **No** to return to the **Edit Favorite** or **Edit Shortcut** screen or **Yes** to return to the Shortcut list.*

Saving Favorites and Shortcuts from the Map Screen

1. From the *Main Menu*, select the **Map** option. The *Map* screen will display.
2. Press **OK** to display the cross-hair.
3. Position the intersection of the cross-hair on a destination using the **8-way toggle**. Where the cross-hair intersect on a street, the street will highlight and the street name will display.
4. Press **OK**. The *Pop-up* menu will display.
5. Select **Add to Favorites** and press **OK**. The *New Favorite* screen will display.
6. Select the **Name** box and press **OK**. The *Enter Name* screen will display
    - Press and hold the **ESC** button to clear the text box if required.
    - Enter a name for the Favorite.
    - Select **Enter** and press **OK**. The *New Favorite* screen will display.
10. Select the **Save As** box and use the **8-way toggle** to save as a Favorite or Shortcut.
11. Select **Save** and press **OK** to return to the *Map* screen.
    *Note: If you save a Shortcut over a Shortcut, a warning message will display. Choose **No** to return to the **Edit Favorite** or **Edit Shortcut** screen or **Yes** to return to the Shortcut list.*

Editing Favorites and Shortcuts

Edit the name of the Favorite or Shortcut, or save a Favorite as a Shortcut.

1. From the *Main Menu* screen, select the **Favorites** option.
   - If you have saved a Shortcut, the *Shortcuts* screen will display. To edit a Favorite, press the **Page** button to display the *Favorite* screen.
2. Select from the list, press **OK**. The *Edit Shortcut* or *Edit Favorite* screen will display.
3. Select the **Name** box and press **OK**. The *Enter Name* screen will display
   - Press and hold the **ESC** button to clear the text box if required.
   - Enter a name for the Favorite.
   - Select **Enter** and press **OK**. The *New Favorite* screen will display.
4. To save a Favorite as a Shortcut, use the **8-way toggle** in the **Save As** box to select a Shortcut position.
5. Select **Save**, press **OK**.
   *Note: If you save a Shortcut over a Shortcut, a warning message will display. Choose **No** to return to the **Edit Favorite** or **Edit Shortcut** screen or **Yes** to return to the Shortcut list.*

Using Shortcuts

1. From the *Main Menu*, select the **Favorites** option. The *Shortcuts* screen will display.
2. Select from the list, and press **OK**. The *Edit Shortcut* screen will display.
3. Select one of the following options and press **OK**:
   - **Save** - Saves the destination as a Shortcut
   - **Delete** - Deletes the selected input
   - **Show** - Displays the address on the *Map* screen
   - **Go** - Calculates the route and displays it on the *3D Map* screen
   - **Add to Trip** - Opens the *Trip Planner* screen from where you can add the destination to your trip.

Using Favorites

1. From the *Main Menu* screen, select the **Favorites** option.
   - If you have saved a Shortcut, the *Shortcuts* screen will display. Press the **Page** button to display the *Favorite* screen.
2. Select from the list and press **OK**. The *Edit Favorite* screen will display.
3. Select one of the following options and press **OK**:
   - **Save** - Saves the destination as a Shortcut
   - **Delete** - Deletes the selected input
   - **Show** - Displays the address on the *Map* screen
   - **Go** - Calculates the route and displays it on the *3D Map* screen
   - **Add to Trip** - Opens the *Trip Planner* screen from where you can add the destination to your trip.

15. Settings

You can modify the following settings to suit your preferences.

Screen Brightness

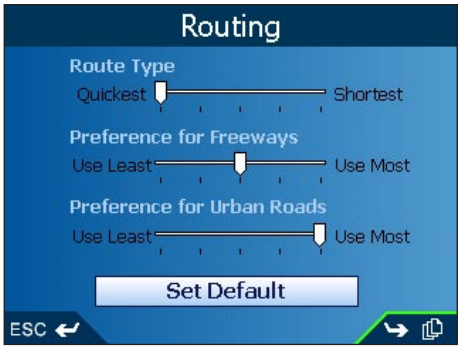
1. Press and hold the ***Zoom/Brightness*** button to display the brightness indicator bar.
2. Press + or - on the **Zoom/Brightness** button to adjust the brightness. The iCN can heat up when display brightness is set at over 70%. Use low screen brightness when possible.

Volume

1. Press and hold the **Volume** button to display the Volume bar.
2. Press + or - on the **Volume** button to adjust the volume.

Route Settings

1. From the *Main Menu*, select the ***Settings*** option.
2. From the *Settings* screen, select the ***Routes*** option. The *Routing* screen will display.
3. Move the **Route Type** slider towards **Shortest** to give more weighting to the shortest distance when calculating a route; Move the **Route Type** slider towards **Quickest** to give more weighting to the fastest time when calculating a route.



4. Move the **Preference for Freeways** slider towards **Use Less** to use freeways less often when calculating a route; Move the **Preference for Freeways** slider towards **Use More** to use freeways more often when calculating a route.
5. Move the **Preference for Urban Roads** slider towards **Use Less** to use urban roads often when calculating a route; Move the **Preference for Urban Roads** slider towards **Use More** to use urban roads more often when calculating a route.
6. Press the **Page** button.
7. Select the **Avoid Toll Roads**, **Avoid Unsealed Roads** and **Avoid Ferries** check boxes to avoid these areas when your route is calculated.
8. Select the **Warn when using Toll Roads**, **Warn when using Unsurfaced Roads** and **Warn when using Ferries** check boxes to display a warning message at the start of your trip if your route will include these areas
9. To enable Back on Track™ automatic rerouting, select the **Automatic Rerouting** check box . Automatic rerouting will update the calculated route if you take a wrong turn.
10. Press the **Page** button.
11. To enable the Route Demonstrator, allowing you to plan and view a route without a GPS fix, select the **Demonstrate Route** check box.
12. To enable the route demonstrator to be repeatedly played, select the **Repeat** check box.
13. To enable the SmartST demonstration to be played, select the **Smart**ST **Demonstration** check box. The demonstration will navigate between the first and second Favorite after a ten second delay.
14. To enable GPS datalogging, select **Track Recording**. The *Data Logging Enabled* screen will display.

    Note: A memory card is required for datalogging.

    • Select the **Name of log file** box and press **OK**. The *Enter Text* screen will display.

- Press and hold the **ESC** button to clear the text box if required.
- Enter a name for the log file.
- Select **Enter** and press **OK**. The *Data Logging Enabled* screen will display.
- Select **Yes** and press **OK**. The *Routing* screen will display.

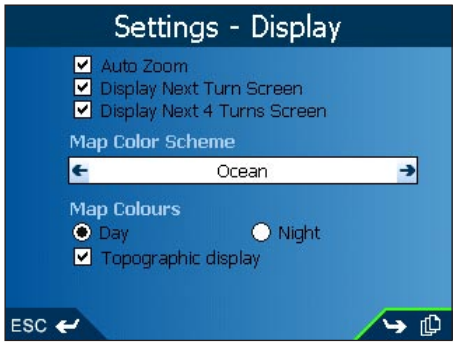
15. Press **ESC** repeatedly until the *Map* screen displays.
    - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

Language Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Language** option. The *Settings - Language* screen will display.
3. To change the voice scheme used for voice guidance during navigation, select your preferred voice scheme from the **Language** box using the **8-way toggle**.
4. To enable voice guidance during navigation, select the **Enable** check box.
5. Press **ESC** repeatedly until the *Map* screen displays.
    - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

Display Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Maps** option.
3. From the *Settings - Maps* screen, select the **Display** option. The *Settings - Display* screen will display.
4. To enable auto-zoom when navigating to your destination, select the **Auto Zoom** check box. If selected, the *Map* and *3D Map** screen will automatically zoom in or out depending on your speed to allow optimal view of your route.
5. To enable access to the *Next Turn* screen, select the **Display Next Turn Screen** check box.
6. To enable access to the *Next 4 Turns* screen, select the **Display Next 4 Turns Screen** check box.
7. To change the color scheme, select your preferred scheme from the **Map Color Scheme** box using the **8-way toggle**.
8. To improve screen contrast in light or dark conditions, select either **Day** or **Night**.
9. To display a topographical map on the *Map* and *3D Map* screens, select the **Topographic Display** check box.
10. Press the **Page** button.
11. To display grid lines on the *Map* and *3D Map* screens, select the **Display Map Grid** check box.
12. To display a North pointing compass on the *Map* and *3D Map* screens, select the **Display Compass on Map** checkbox.
13. Press **ESC** repeatedly until the *Map* screen displays.
    - If you have made changes to the settings, press OK to accept the Warning dialog box.



Internal Map Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Maps** option.
3. From the *Settings - Maps* screen, select the **Internal Maps** option. The *Maps (Internal)* screen will display.
4. To activate a map, use the **8-way toggle** to scroll to the map or maps you require. Press **OK**.
5. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to maps, select **Yes** and press **OK** to accept the *Warning* dialog box.

Memory Card Map Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Maps** option.
3. From the *Settings - Maps* screen, select the **Memory Card Maps** option. The *Maps (Memory Card)* screen will display.
4. To activate a map, use the **8-way toggle** to scroll to the map or maps you require. Press **OK**.
5. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to maps, select **Yes** and press **OK** to accept the *Warning* dialog box.

Points Of Interest (POIs) Settings

Points Of Interest (POIs) in a region are grouped into **Categories**. This function allows you to select the categories you need. For example, you may be interested in entertainment venues only, and want to disable other POI categories such as schools.

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Maps** option.
3. From the *Settings - Maps* screen, select the **Points of Interest** option. The *Points of Interest* screen will display.
4. To display POI icons on the *Map* and *3D Map* screens, select the **Show Icons on Map** check box.
5. Use the **8-way toggle** to scroll to the category or categories you require. Press **OK**.
   - Press the **Page** button to view additional categories.
6. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

My Points of Interest (POI) Settings

Custom Points Of Interest (POIs) are installed from the SmartST Desktop POI Editor, and listed on the *My POIs* screen.

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **My Data** option.
3. From the *My Data* screen, select the **My POI** option. The *My POI* screen will display.
4. Use the **8-way toggle** to scroll to the POI file or files you require. Press **OK**.

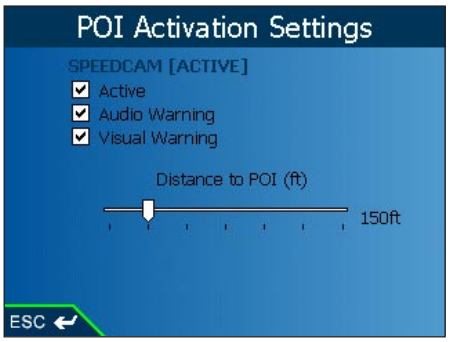
- Press the **Page** button to view additional files.

5. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

Active Points Of Interest (POIs) Settings

Active POIs are custom POIs that are announced when in close proximity. Custom POIs are added from the SmartST Desktop POI Editor.

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Alerts** option.
3. From the *Alerts* screen, select the **Active POI** option. The *Select Active POI* screen will display.
4. Use the **8-way toggle** to select a custom POI. Use the keyboard to narrow your search if required.
5. Click **OK**. The *POI Activation Settings* screen will display.
6. Select the **Active** check box to activate the POI.
7. Modify the settings as required:
   - To enable an audible chime when the POI is in close proximity, select the **Audio Warning** check box.
   - To enable a visual warning when the POI is in close proximity, select the **Visual Warning** check box.
   - Move the **Distance to POI** slider to select the distance at which the warnings will activate.
8. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press OK to accept the Warning dialog box.



Speed Alert Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Alerts** option.
3. From the *Alerts* screen, select the **Speed** option. The *Settings - Speed* screen will display.
4. To enable an audible warning when traveling over a specified speed, select the speed over which the warning is to sound from the **Speed** box using the **8-way toggle**.

   Note: The GPS signal alert will be active when a **Speed** *alert is selected.*
5. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

Operation Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **Alerts** option.
3. From the *Alerts* screen, select the **Operating** option. The *Operating* screen will display.
4. To enable a warning dialog box to be displayed for the driver when a button is pressed while driving, select the **Warn driver when operating** check box.
5. To enable an audible and visual alert when the GPS signal is lost, select the **Warn when GPS lost** check box.

   Note: The GPS signal alert will be active when a **Speed** *alert is selected.*

6. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

Clear Data Settings

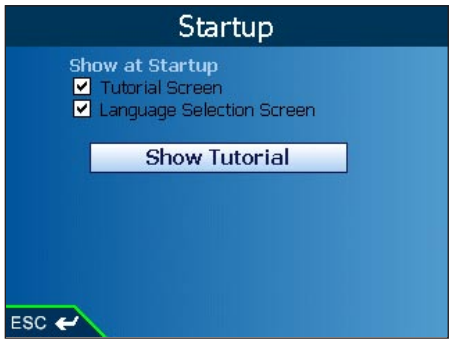
1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **My Data** option.
3. From the *My Data* screen, select the **Clear Data** option. The *Settings - Clear Data* screen will display.
4. To delete Recent destinations, Favorites, Shortcuts or Avoid Areas, scroll to the appropriate option and press **OK**.
   - Select **Yes** and press **OK** to accept the *Warning* dialog box.
5. Press **ESC** repeatedly until the *Map* screen displays.

Measurement Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **More Settings** option.
3. From the *General* screen, select the **Measurements** option. The *Measurements* screen will display.
4. Select either the **Decimal Degrees** or **Degrees, Minutes, Seconds** option to indicate the position format to be used.
5. To set the time, select the offset from Coordinated Universal Time (UTC) for your location from the **Local Time Offset** box using the **8-way toggle**.
6. Select either the **12 Hour** or **24 Hour option** to indicate the time format to be used.
7. Select either the **kilometres** or **miles** option to indicate the distance units to be used.
8. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.

Start Up and Tutorial Settings

1. From the *Main Menu*, select the **Settings** option.
2. From the *Settings* screen, select the **More Settings** option.
3. From the *General* screen, select the **Startup** option. The *Startup* screen will display.
4. To display the *Tutorial* on startup, select the **Tutorial Screen** check box.
5. To display the *Language Selection* screen on startup, select the **Language Selection Screen** check box.
6. To display the *Tutorial*, select the **Show Tutorial** option and press **OK**.
   - The *Tutorial* will display. Press the **Page** button to move through the screens.
7. Press **ESC** repeatedly until the *Map* screen displays.
   - If you have made changes to the settings, press **OK** to accept the *Warning* dialog box.



16. SmartST Desktop

SmartST Desktop is used to download maps to your iCn, obtain software updates, manage Custom Points of Interest (POIs) and install Basemaps.

Note: For Windows XP, install XP Service Pack 1 from Microsoft before you install SmartST *Desktop.*

Install SmartST Desktop on your Computer

1. Close all open programs on your Computer.
2. Insert the SmartST CD into your computer CD-ROM drive. The SmartST Desktop installer will start.
   - If your computer does not automatically launch the CD, start the installation manually: *Start* > *Run*. Type **d:\setup6xx_3.exe** where *d* is the letter assigned to your CD-ROM drive. Click **OK**.
3. Follow the screen prompts to install SmartST Desktop.
   - Select your preferred language for SmartST Desktop when prompted.
   - Review and accept the License Agreement when prompted.
   - Select a destination folder when prompted.

   SmartST Desktop will open. You are now ready to install maps on your iCN.

To Open SmartST Desktop

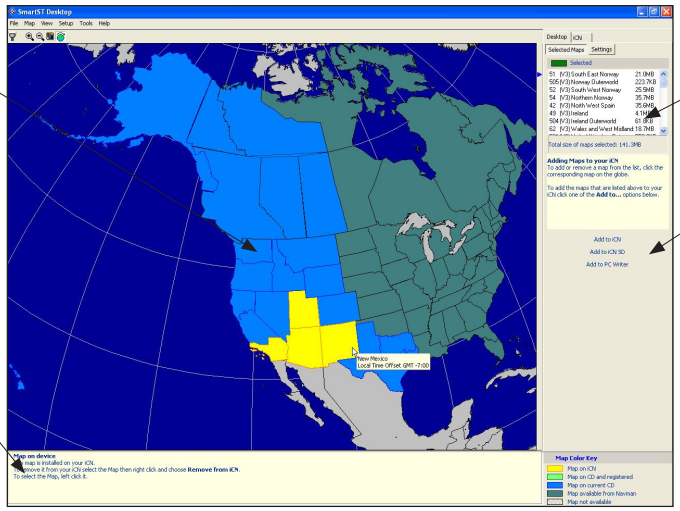
Once SmartST Desktop has been installed, you can access it from the **Start** menu:

Start > *Programs* > *Navman* > *SmartST Desktop*

Maps are colored to indicate whether they are:

- Selected,
- Installed,
- Available on CD
- Available from Navman, or
- Not available.

Information about the map.



Selected maps.

Download selected maps to the iCN, memory card or memory card writer.

17. Updating your iCN

Updating from Previous Version of SmartST

If a software update is available for your iCN, you will be prompted when you open SmartST Desktop:

1. Open SmartST Desktop: *Start* > *Programs* > *Navman* > *SmartST Desktop*
2. Follow the prompts to update your iCN software to the latest version of SmartST.

Updating your Version of SmartST

It is recommended that you regularly check the Navman website for software updates to the version of SmartST you are using:

1. Open SmartST Desktop: *Start* > *Programs* > *Navman* > *SmartST Desktop*
2. On the **Setup** menu, select **Update software** then **Check for updates on the web**.
   Your computer will connect to the Internet and display the Navman website.
3. Download the update for your region to your computer, if available.
4. On the **Setup** menu, select **Update software** then **Update software on iCN**.
   Follow the prompts to update your iCN software.

18. Installing Maps Using SmartST Desktop

Your iCN comes with a pre-activated map. If you require an additional map, you must first purchase a Map Product Key from your Navman supplier. Use SmartST Desktop to activate your Map Product Key and install the required map.

Maps can be stored on SD or MMC memory cards directly from SmartST Desktop or via a memory card writer. The maximum size card for use in the iCN is 512 MB.

Install and Activate Maps on your iCN

1. Open SmartST Desktop: *Start > Programs > Navman > SmartST Desktop*
2. Insert a SmartST Map CD into your Computer CD-ROM drive, the available maps will display.
3. Click the map you want to install to your ICN. Maps are of population areas and not of political areas such as counties or states. You may need to install multiple maps to cover the desired geographical area.
   - If you have already activated a Map Product Key, or your ICN came with a pre-activated Map Product Key, the map will change color to indicate it has been selected. Go to step 6.
4. Follow the prompts to activate the Map Product Key.
   - Enter your Map Product Key.
   - Your Computer will connect to the Internet and activate your Map Product Key.
   - You will be prompted to enter or update your contact details so Navman can advise you when updates are released.
5. Select a map to install. Maps are listed in the **Selected** section of the **Desktop Selected Maps** tab.
   - If you have another Map Product Key to activate, go to step 3.
6. Click an **Add to** button to install all maps listed in the **Selected** section of the **Desktop Selected Maps** tab to your iCN, memory card, or PC writer.

** Only iCN 620, 630, 635, 650 can install to internal memory.*

Remove Maps from your iCN

1. Open SmartST Desktop: *Start > Programs > Navman > SmartST Desktop*.
2. Open the **Maps on iCN** section: *iCN tab > Maps on iCN*.
3. Click the map to be removed and select **Remove from iCN** from the pop-up menu.

19. Continuous Continental Navigation*

You can seamlessly navigate between installed maps without the need for installing all maps en route. This is achieved by using a Basemap. A Basemap is a map of a large area, such as *West Europe* or *United States and Canada*, containing main roads that connect cities and towns. You can select a road or POI on the Basemap as your start point or destination. Use the Basemap Installer to manage Basemaps.

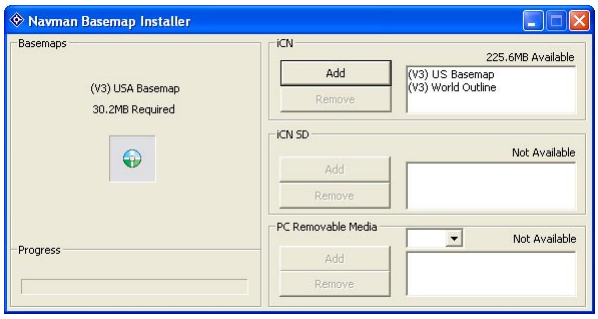
Basemaps:

- contain roads and ferry connections of high national and international importance
- use less memory than would be necessary to install all equivalent detailed maps
- do not include smaller roads and have a reduced level of geographical detail.

** iCN 635 has basemap preinstalled.*
iCN 650 does not require basemap as all detailed maps preinstalled.

Install Basemap

1. Connect the iCN to your computer.
   - Connect the iCN to mains power supply using the adapter provided.
   - Connect the USB cable to the iCN and to your computer USB port.
   - Turn on the iCN by pressing the **Menu/Power** button. The iCN *USB Connection* screen will display when you are connected.
2. Open SmartST Desktop if it is not already open: *Start* > *Programs* > *Navman* > *SmartST Desktop*.
3. On the *Map* menu, click **Basemaps**. The *Navman Basemap Utility* window will open.



4. Click the appropriate **Add** button to install the Basemap to the iCN, memory card or memory card reader.

Activate Basemap

1. On your iCN, from the *Main Menu*, tap the **Settings** option.
2. From the *Settings* screen, tap **Maps**.
3. Complete one of the following:
   - To activate a Basemap on the iCN, from the *Maps* screen, tap **Internal Maps**. The *Settings - Maps (Internal)* screen will display.
   - To activate a Basemap on the memory card, from the *Maps* screen, tap **Memory Card Maps** option. The *Settings - Maps (Memory Card)* screen will display.
5. Select the Basemap you require.
6. Press **ESC** repeatedly until the *Map* screen displays.
   - Tap **Yes** to accept the *Warning* dialog box.

Remove Basemap

1. Connect the iCN to your computer.
   - Connect the iCN to mains power supply using the adapter provided.
   - Connect the USB cable to the iCN and to your computer USB port.
   - Turn on the iCN by pressing the **Menu/Power** button. The iCN *USB Connection* screen will display when you are connected.
2. Open SmartST Desktop if it is not already open: *Start* > *Programs* > *Navman* > *SmartST Desktop*.
3. On the *Map* menu, click **Basemaps**. The *Navman Basemap Utility* window will open.
4. Select the Basemap to remove.
5. Click the appropriate **Remove** button to remove the Basemap from your iCN, memory card or memory card reader.

20. SmartST Desktop Advanced Features

Find a City or Town

Find City
City Name (partial match ok)
en
Encinitas, California, United States of America
Endicott, New York, United States of America
Endwell, New York, United States of America
Englewood, Colorado, United States of America
Englewood, Florida, United States of America
Englewood, New Jersey, United States of Americ
Englewood, Ohio, United States of America
Enid, Oklahoma, United States of America
Ennis, Texas, United States of America
Ensley, Florida, United States of America
Enterprise, Alabama, United States of America
Enumclaw, Washington, United States of America

To search for a City or Town to verify the map to be installed:

1. From the **Map** menu, click **Find City**. The **Find City** window will open.
2. Type the name of the City or Town in the **City Name** field. The list of available Cities will reduce to match your search.
3. Double-click the name of the City or Town.
   The Desktop Map will rotate to center on the selected City or Town.

Map Colors and Textures

To access the **Desktop Colors** section: *Desktop tab* > *Settings* > *Colors*.

Adjust the settings to change the look of the map type.

Color Settings	Description
	Controls map colors.
	Displays the: • map border color • map color • map border width
	Adjusts the map border width
	Controls the map display: • solid color • no color • crosshatch texture
	Controls geographic features displayed on the map. Features are only visible if the map has no color or crosshatch texture.

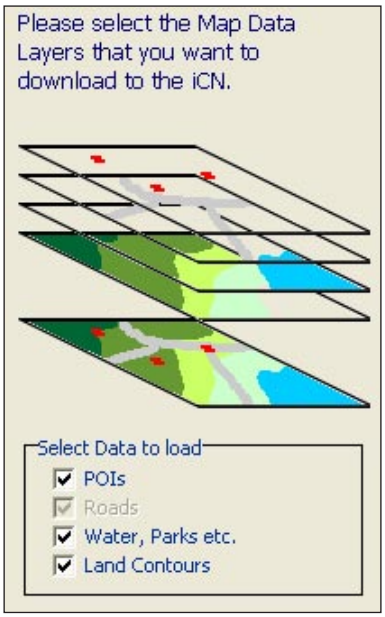
Map Layers

To conserve space on your iCN and memory card, you can choose map layers to install.

The layers you can choose from are:

- Points of Interest (POIs)
- Water, parks
- Land contours (topography).

To access the **Map Layers** section: *Desktop tab* > *Settings* > *Layers*.
Select or clear each checkbox to indicate the layers to install for each map.

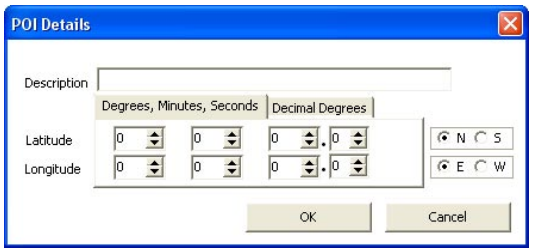

Please select the Map Data Layers that you want to download to the iCN.
Select Data to load
POIs
Roads
Water, Parks etc.
Land Contours

Points of Interest (POI) Editor

You can add custom Points of Interest (POIs) using the POI Editor. A maximum of 25 Custom POIs can be saved on your iCN. The Custom POI files are listed on the *My POI* screen. Custom POIs can be set to announce when in close proximity at the *Select Active POI* screen.

Step 1. Create a Custom POI File

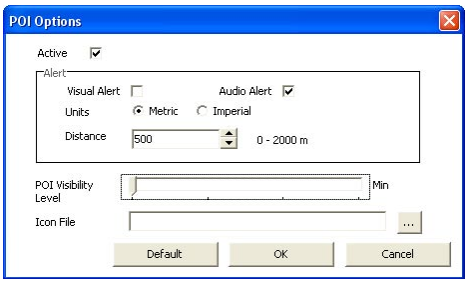
1. Create a New POI File.
   - On the **Map** menu, click **POIs**. The *POI Editor* window will open.
   - On the **File** menu of the POI Editor, click **New Text File**. The *POI File Name* window will open.
   - Type a name for the file in the **File Name** box and click **OK**. The file name can be up to eight characters with no spaces.
2. Add a POI to the POI File.
   - On the **Edit** menu, click **New**. The *POI Details* window will open.
   - Type a description for the POI in the **Description** box.
   - On the **Degrees, Minutes, Seconds** tab, type or select the degree, minute and second of the POI latitude in the **Latitude** boxes.
   - On the **Degrees, Minutes, Seconds** tab, type or select the degree, minute and second of the POI longitude in the **Longitude** boxes.



3. Repeat step 2 until all POIs have been added to the POI file.
4. On the **File** menu, click **Save**. The POI file is saved.

Step 2. Save Custom POI File to your iCN

1. On the **File** menu, click **Save to Device**. The *POI Options* window will open.
2. Modify the POI settings as required:
   - To activate the POI select the **Active** check box. If you do not activate the POI, you will only be able to configure the **Importance** and **Icon File** settings.
   - To enable a visual warning when the POI is in close proximity, select the **Visual Alert** check box.
   - To enable an audible chime when the POI is in close proximity, select the **Audio Alert** check box.



   - To change the units used to measure distance for this POI, select the **Metric** or **Imperial** option.
   - Select the distance from the POI at which the visual warning should display or the audible chime is heard, from the **Distance** box.
   - Move the **POI Visibility Level** slider left or right indicate the priority that the POI has where two or more POIs are in the same locale.
   - Type the path to the icon file to be used to represent the POI, in the **Icon File** box, or select the icon file from your local or network drive clicking ..., locating the file and clicking **Open**. The file must be a bitmap (.BMP) graphic with a minimum of 6x6 pixels and a maximum of 32x32 pixels.
3. Click **OK** and follow the prompts. The POI file is saved to the iCN.
   - If you want to change the name of the file, edit the name for the file in the *File Name* box of the *POI File Name* window and click **OK**. The file name can be up to eight characters with no spaces.

Deleting a Custom POI File from your iCN

1. On the **Device** menu, click **Manage POI Files**. The *Manage POI Files* window will open, displaying a list of custom POI files installed on your iCN.
2. Click the **File Name** or **Size** of the POI file to delete.
3. Click **Delete**. The file is removed from the list, but is not yet deleted.
4. If you want to delete more than one file, go to step 2.
5. Click **OK** and accept the changes. The selected file or files are deleted.

Backups

You can save backups of your settings, Shortcuts and Favorites to your computer.

To Back up your Settings, Shortcuts and Favorites

1. From the **File** menu, click **Backup**. The *Backup* window will display.
2. Click **New Backup**. The *New Backup* window will display.
3. Click **OK**.

To Delete a Backup

1. From the **File** menu, click **Backup**. The *Backup* window will display.
2. Select the backup from the list
3. Click **Delete**.

To Restore a Backup

1. From the **File** menu, click **Restore**. The *Restore* window will display.
2. Select the backup from the list.
3. Click **Restore**.

21. Accessories

The following accessories are available for your iCN:

External Antenna

Required for vehicles with heated windshields, and to boost GPS performance in weak signal areas.

Memory Card Writer

Connects to your computer and allows you to download maps to SD or MMC memory cards.

Remote Control*

Button functions are the same as the iCN control buttons. You cannot turn on the iCN using the Remote Control.

** Only included with the iCN 635 and 650. Available for the iCN 610 as an accessory.*

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Navman warrants its products to be free from defects in materials or workmanship under normal use for one year from the date of purchase (the Warranty Period) to the original owner (You). To claim under this warranty, You must return the product to the place of purchase, or a service centre approved by Navman (Service Centre). You must produce an original sales receipt as proof of purchase. You will be solely responsible for all shipping charges, freight, insurance and proper packaging to prevent breakage in transit. Navman will, at its discretion, repair or replace any defective product or its components at no cost to You for parts and labour. The replacement product or component takes on the warranty status of the original product or component. This is Your exclusive remedy for defective products.

Limitations

This warranty does not apply to products that have been damaged or rendered defective: (a) as a result of incorrect installation, misuse, mishandling, misapplication, accident, abuse, breakage or other external causes; (b) by operation outside the usage specifications stated in the product documentation; (c) by modification or service other than by Navman or its approved Service Centres.

Software Product

Navman warrants that (a) the software will perform substantially in accordance with the accompanying written materials for a period of 90 days from the date of purchase, and (b) any technical support provided by Navman or its approved Service Centres shall make commercially reasonable efforts to solve any problem or issues. Some countries, states and jurisdictions do not allow limitations on duration of an implied warranty, so the above limitation of 90 days may not apply

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Compliance

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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